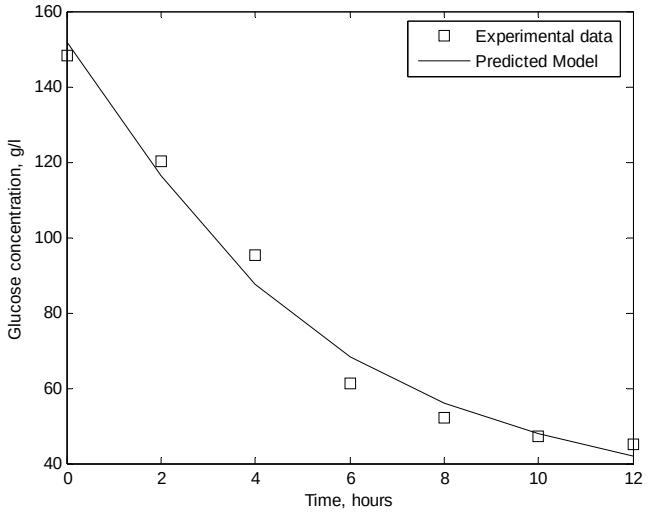


Fig 6 Experimental substrate concentration profile model with 150 g/l initial substrate concentration

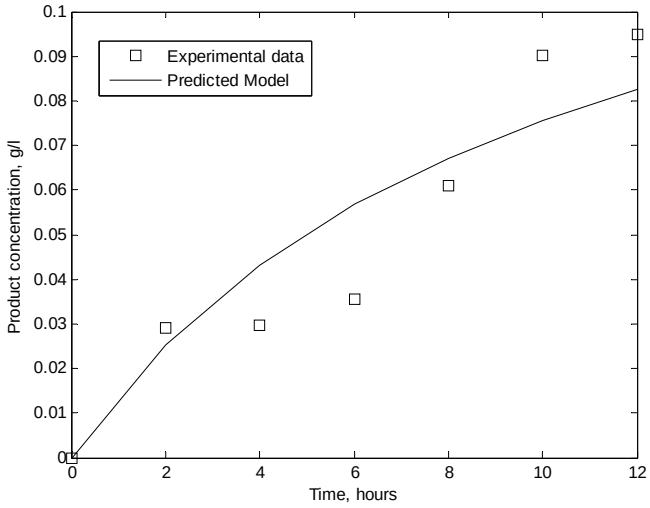


Fig 7 Experimental gluconic acid concentration profile and model with 150 g/l initial substrate concentration

## V. Conclusion

Batch fermentation of glucose to produce gluconic acid has been accomplished using three different substrate concentrations with high initial *Aspergillus niger* mycelium concentration. Kinetic parameters for cell growth, substrate consumption, and product formation have been determined for gluconic acid batch fermentation by *Aspergillus niger* FNCC 6098.

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